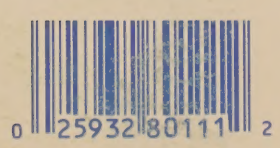
GREEN NO. 8011 GREGG RULED 70 COUNT

Reception Book -
Notes (Start Jan. 04, 1993)

Stenographic

NOTE BOOK

BY TOPS



Book No. _____ From _____ To _____

STOCKIST ~~Desk~~ TECH NOTES:

A) ANTENNA DESIGN CRITERIA / why more Gain –
WHAT IT MEANS
~~B~~ Height above Ground –/
Clearing Blockages
STACKING ANTENNAS FOR GAIN

B) MASTHEAD AMPLIFIER / Gain versus Noise figure
How Much Gain
How Low NF
Cascading gain
IMPORTANCE OF ANT. MOUNT TO AMP

C) Long Cable Runs –
open Wire Versus Coax / Selecting Coax
Cable Loss Versus Amplifier Gain
~~How Much~~ Amplifier TILT
A) TILT COMPENSATORS
How Many Amps in Cascade?
A) How Long a System?

D) Interference / Phases –
A) How to ID Type of Source
B) " " Find Actual Source
c) who FIXES IT?

E) Communal Aerial Systems
A) Principal – The Law
B) Who Pays –
C) How To Cost out
D) Design Criteria / Lightning
F) MISMATCH & Gain Control

Possible Sizes:

Cover + 128 pages SADDLE STITCH — SPIRAL BIND — SADDLE STITCH?

A) 70-72 TONES —

B) 15CM x 23CM TRIM —

C) 2 COLOUR / 60-70POUND GLOSS COVER

1 COLOUR / 20-25 POUND INTERIOR —

BASIC PLAN

A) DECIDE ON BOOK PHYSICAL SIZE, PAGE COUNT

1) DECIDE ON SPIRAL OR BOUND BACK

B) DETERMINE ECONOMICS OF POSTING BOOKS –
1) SIZE OF BOOKS – IE. ENVELOPE

C) GET QUOTES ON CAMERA READY ____ PAGES + COVER

ON DESCRIBED STOCK – WITH ____ 1/2 TONES (BW) TO STRIP IN.

D MARKETING:

REVIN DAWKINS – SIGNAL MASTER –

MARKETING MGR – DICK SMITH ELECT. NJ –

OTHER POSSIBLES – MAKE LIST OF DISTRIBUTORS

AFTER TALKING WITH KEVIN –

E) TAKE PURCHASE ORDERS ON 15-30 DAY TERMS, AS INCOME TO PAY-OFF PRINTING BILL –
1) ORDER # COPIES THE PO'S WILL COVER – IE.
MORE THAN PO'S PRICE WILL COVER –
A) USE EXTRA BOOKS TO CREATE CAPITAL FOR 2ND PRESS RUN & OPERATING COSTS.

TV ANT MFGS (CANCELLONS 91)

AIMCO AERIALS (N3) LTD Fax 09-274-1063

CHANNEL MASTER N3 LTD 6 HOTO NUI DRIVE MT WELL - BOX 12-373

PENROSE - 09-270-0174 / Fax 270-0179

TISCO N3 LTD 1671-681 MANUKAU Rd EPSOM Ph 09-658-149

HILLS TV Box ~~14-546~~ ~~573 1600~~ PANMURE, AUCK Ph 09-573-1600

Fax - FOR DATA

AERIALS (AMPS MASTHEAD + DIST.) / OPEN WIRE LINE / High Gain Ants -

Printers

Academy Interprint – 5-11 Fenton St – Mt. Eden TEL 09-778-284 Fax 09-309-4291

AP / Artrite Print Ltd – 09-309-6527 / Fax 09-771-673

Amba Graphics Ltd 35 Bath St, Parnell – POB 37-202 09-734-370 Fax 09-777-601

Bascands 31 Chesshire St / Parnell / P 09-309-6584 F 09-309-6325

Harts Printing Co Ltd / New North & Ace Place / Mt. Eden TEL 790-785 POB 8811 – AK Fax 735-779

Markcom Print 6 Jack Conway Av, Manukau City – Ph-09-262-4204 Fx-09-262-1167

[None – Far North Book]

Pub. Distributors

News Media Distributors – Fax 09-390-2279

Print Agents

N3 Printed Books

N3 Atlas – Heinemann Publishers Ltd – /Hong Kong/

Printing – H.K. by Leefung-Asco Printers Ltd.

Contemporary N3 Short Stories – H.K.

Between the Lines – by Heinemann Reed/Octopus

Type by Typo Chatters – AK – Singapore

Mangonui – Wordperfect – Aldus Pagemaker –

HP Laserjet Series II P – Helvetica fonts

✓ Printed w/ Northland Historical Pub. Society Inc.

POB 285, Kerikeri

AA Guide to N3 – Typeset Aus./ Printed Everbest Printing Co Ltd.

Hong Kong

Northland/ N3 Guide – 8/9pt Century – Printed on 105gsm

Matt paper – Wright & Gorman – Upper Hutt

New Zealand/ Travel Survival Kit – Printed Colorcraft/ H.K.

South Island/ Heinemann Reed – Octopus – Singapore

The Road Code – GP – Auckland (Govt?)

Blood on their Banner – Printed UK – Biddles Ltd

Guildford & Kings Lynn

Ritchies BB Yearbook – GP Print Co Wellington

Jasons Motels etc –

Printed by

Proteaceae in N3 – UEB Industries/ Wanganui

N3 Encyclopedia – Typeset Egan-Reid Ltd Auk/ Printed Everbest H.K.

Hong Kong Sources:

Everbest Printing Co. Ltd /
Leefung-Asco Ltd

Wright & Carman – Upper Hutt / _____

GP Printing – Wellington / _____

Free Space Loss

Avg Power — inversely proportional to square of distance

A) Double the Range — Loss → 6 dB

For Isotropic Sources — 1λ spacing Gains 22db

& it increases 6 dB for each Doubling of Path Length

Free Space

Chart on 33.5 shows TA, RA at 10' — .1 Mile Loss is 70dB (±3dB)

A) Specular Reflection [

occurs when Phase Deviations are $< \pm \pi/2$ & will be less when Phase Deviations are $> \pm \pi/2$.

B) Tests at MW show Reflection Coefficient to be .2 to .4 most non-H2O paths

A) If Vertically Polarized — → Variation in Signal at critical angles than if Horizontally Polarized.

1) If Beamwidth is too narrow (< 1.5°), some occasional loss in Signal because Signals arrive outside of BM width.

C) Minimum effective Height — is lower w Hz Polar than Vertical Polar. And increases with a decrease in operating frequency — And the less conductive the soil the more favorable Hz Polarization —

~~For Sea Water Path —~~

.1 Mile (161.22M / 528') —

1 KW to dipole at 600 MHz = 73 dB loss (Isotropic)

1 KW to 1 Watt = 40dB

On Transmit Power — 1000 x = 30dB

1 KW = +30dBW

dB > 1 uV 123dB —

dB > 1 uV (-20dBMV = 100 uV)
(-40dBMV = 1 uV)

On Received Voltage — x2 = 6dB increase
x10 = 20dB "
x100 = 40dB "

2 uV (Microvolts) = +66dB uV or -54dBV

10 Microvolts = -40dBMV

(Just)
Passable Picture = (Assuming <1 dB NF Front End, No CCI) =

100 uV or -20 dBMV.

Quality Picture = -10dBMV or 320 uV

High Quality = -6 dBMV or 500 uV

Studio " = 0 dBMV or 1000 uV

FROM 33-2 / JASITC —

LOSS OVER PLANE EARTH — ANTS 10' AG —

.1 MILE = 70 dB

FROM STATEMENT P5.

1 λ FREE SPACE BTWN ISOTROPIC ANTENNAS IS −22dB

& INCREASES BY 6dB W/EACH DOUBLING OF DISTANCE

AT 600 MHz —

λ = 300 ÷ 600 = .5M = (AT 200MHz = 1.5M)

LOSS AT 600MHz AT .5M = 22dB | AT 200MHz = 1.5M / −22dB

GAIN OF ANT — BOTH ENDS —

+10dB TR END = −12db AT .5M | −12dB AT 1.5M

& +10dB RCV " = −2dB AT .5M | −2dB AT 1.5M

AT f − 6dB ↑ WITH

1M −6	3M −6
2M −12	6M −12
4M −18	12M −18
8M −24	24M −24
16M −30	48M −30
32M −36	96M −36
64M −42	192M −42
128M −48	384M −48
256M −54	768M −54
512M −60	1536M −60
1024M −66	3072M −66
2048M −72	6144M −72
4096M −76	12288 −78
8192M −82 dB	24576 −82

EXAMPLE

AT 600 MHz − 1000M = −66dB LOSS

AT 200 MHz − 1000M = −56 dB LOSS

1/10TH MILE = 161 M

OR 50 dB AT 500 MHz (+22dB 1ST λ) = 72dB LOSS

OR 40dB AT 200 MHz (+22dB 1ST λ) = 62dB LOSS

NOTE: BOTH ANTS 1λ OR > ABOVE GROUND OR +5λ (10λ) > SEA WATER.

SEE 33-7 FOR DATA ON FADING & PHASE RELATIONSHIPS

FOR A ~~B~~ STRAIGHT HAUL RELAY — 1612M PER MILE A

ASSUMPTION:

1) RECEIVED SIGNAL AT TERMINATION OF RECEIVE ANTENNA OF 500 MICROVOLTS (−10dBmV) / SAME LEVEL AT TERMINATN OF OFF AIR SIGNAL

PATH LENGTH	f	PATH LOSS	f	PATH LOSS	SPLIT COAX POWER DIVIDING TOTAL GAIN		REC + TRANS	AMPLIF
100 M	200 MHz	58dB	600 MHz	67dB	20	18/27	20 dB	38/47
200 M	"	64dB	"	73dB	20	24/33	20dB	44/53
400 M	"	70dB	"	79dB	20	30/39	20 dB	50/59
800 M	"	76dB	"	85dB	20	36/45	20dB	56/65
1600 M	"	82dB	"	91dB	20	41/51	20 dB	62/71

REALISTIC ANTENNA GAIN

AT 200 MHz —

1) SINGLE CH. ~~OPTIMIZED~~ YAGI — 10(+)dB
   A) 2 STACK — 12.5dB (COAXIAL PHASING GIVES)
   B) 4 STACK — 15.0 dB (" " ")

AT BOTH ENDS = 30 dB (PASSIVE) ANTENNA GAIN / MAXIMUM

AT 600 MHz —

5' DISH — OPTIMIZED FEED — 60% EFFICIENT — < 16.0 dBG
7' " — " " — " " — ≈ 18.5 dBG

NOTE: GAIN INCREASE 5' TO 7' IS COMPARABLE TO STACKING A PAIR OF 10 EL YAGIS AT SAME f —

MAXIMUM REFLECTOR ERROR = (+/−) 1/8 λ = .0625 = ~~.125M~~ = 2.46" = ~~4.9"~~ (S)

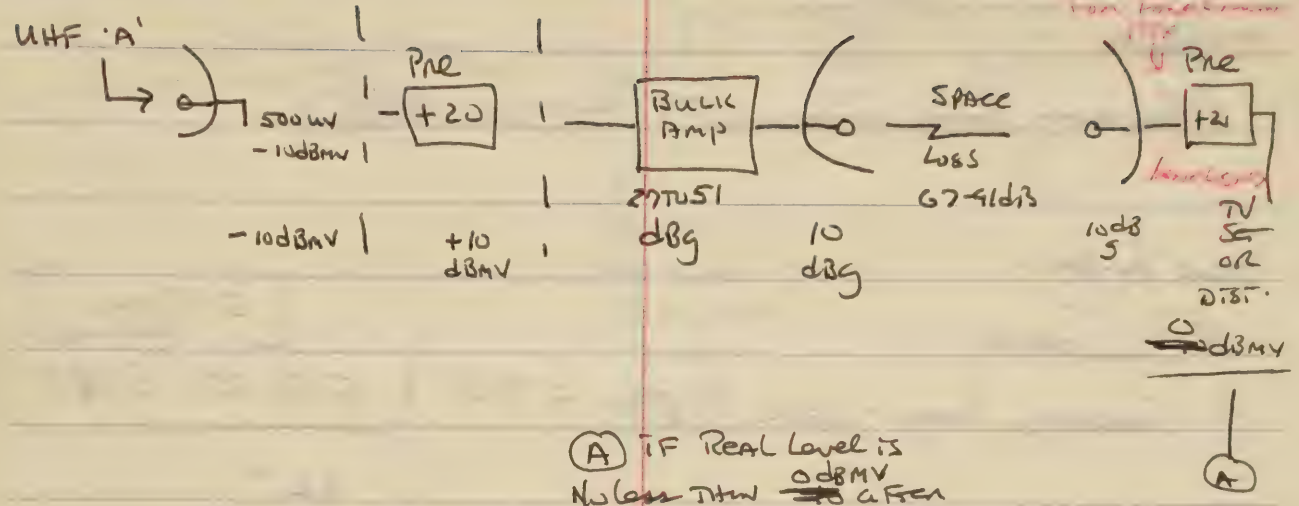
MAXIMUM REFLECTOR MESH SIZE = 1/4 / PEAK ERRORS FOR −1 dB LOSS IS +/− .6" OR 2.46" MAXIMUM DEVIATION

1" HEXAGONAL POULTRY NETTING (i.e. CHICKEN WIRE) IS FINE 2.5M = 19.65" = 1.965" MAX OPENING

PARABOLIC TEMPLATE — ARRL ANTS — PG 19-22

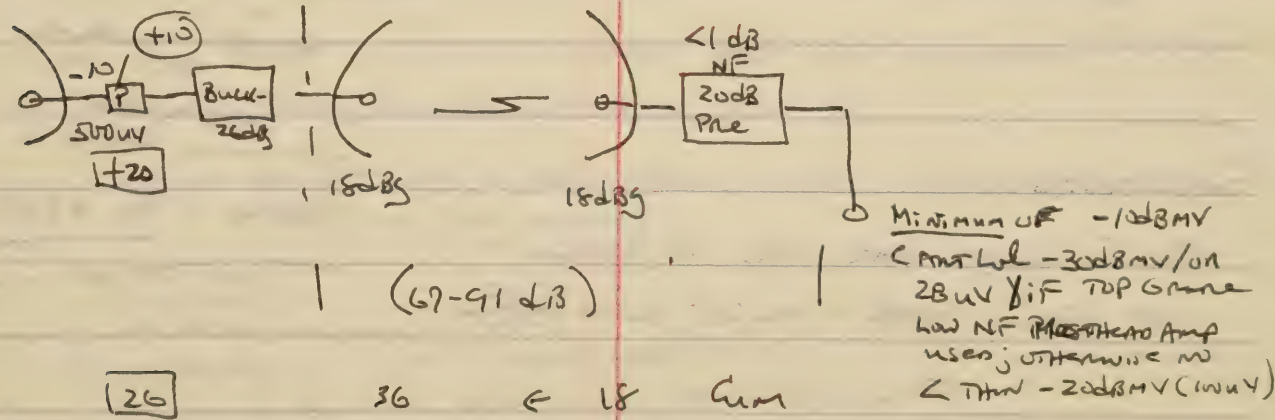
~~LOSS~~ GAIN DUE TO REFLECTOR FROM FEED

Mast
CONVERSION



(A) IF REAL Level is
No Less THAN ~~0~~ dBmV after
20 dBg RCV #2 pre Amp —
IE. ANT output no Less
THAN -20dBmV (10 uV)
WITH 1dB NF Pre-Amp.

MAST CONVERSION WITH 7' DISHES



26 36 ⇐ 18 GAIN

ROTATE feed TO OPPOSITE POLARITY — ON XMIT ANT
PUT EARTH BETWEEN 2 ANTENNAS — KEEP BOTH ANTS LOW TO GROUND — IE

Kevin Dowlens (S-[illegible] -
09 - 579 - 8039

Typical VCR Modulator —

+10dBmV —

1) Frequency Range ——— TO ——— MHz

Video Sender

+___ dBmV

1) Frequency Range - Ch. 36 (590 - 598) 591.25 / 596.75 [5.5 MHz Spacing]

42 V
46
50 V

Solo — 27 TO 34
2 yrs 43 TO 62

Audio 35/36/37-38
Add New Radar
39 — Antenna
40/42 — Low Power TV
(Good Xmas Gadgets)

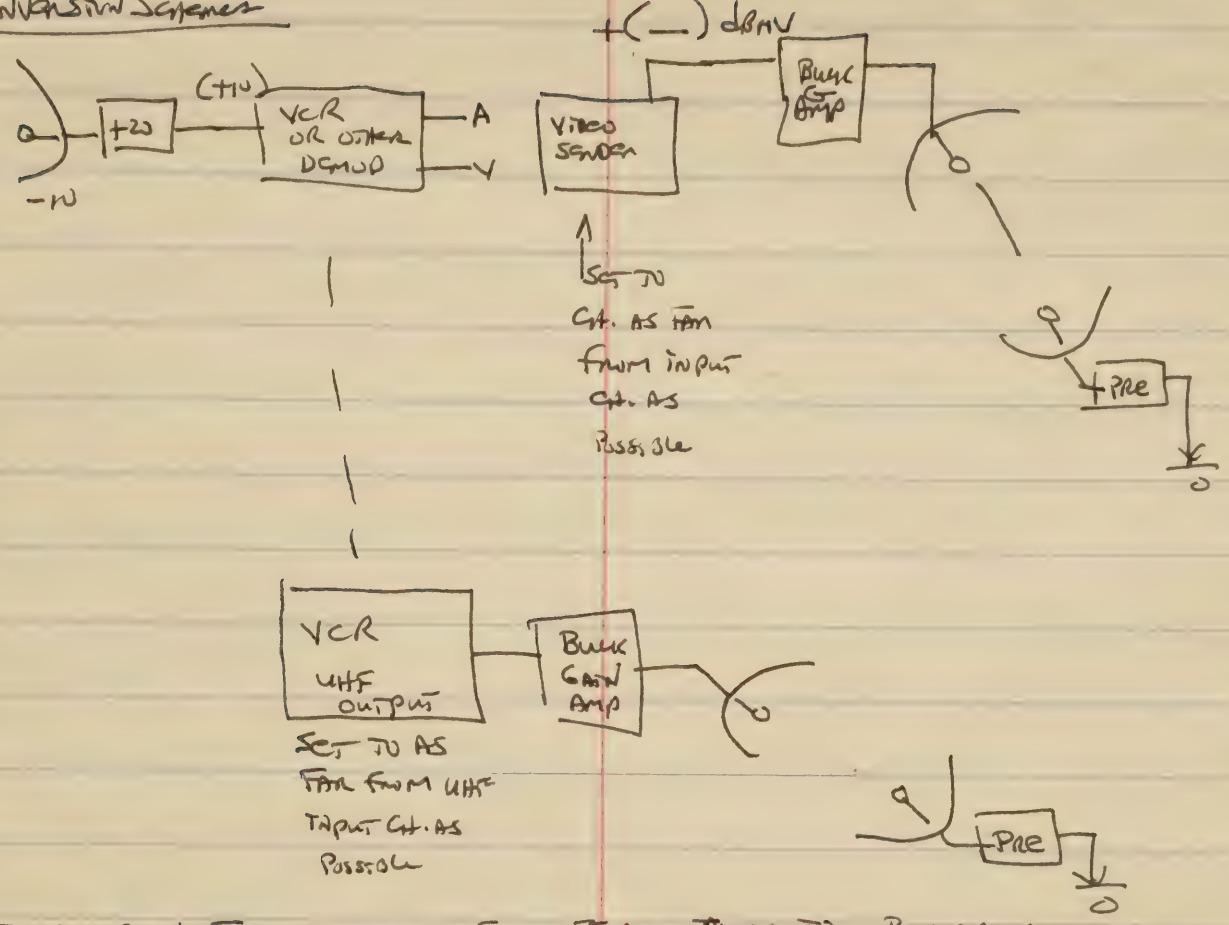
Holes — 40, 41, 42

40 = 623.25 / 628.75
41 = 631.25 / 636.75
42 = 639.25 / 644.75

GNRL NOTES:

#12 Galvanized Fence Wire 21 Spacing —
10M Spacing Type A — Low Cost, Low Loss Feedline

Conversion Schemes



TOTAL GAIN FROM OUTPUT OF OFF-AIR INPUT TO BULK AMP TO TV RECEIVING SET MUST EQUAL OR EXCEED "X"

X = AMT OF LOSS IN FREE-SPACE (TO EQUAL NO LOSS THRU - 10dBmV FROM TV SET RCVG ANTENNA)

PRE XMIT GAIN

1) OFF AIR ANTENNA ____ dB (10+)
2) LN PRE-AMP ____ dB (20 TYP.; X (dB NF)
3) LINE LOSS TO BULK GAIN ON-CH AMP, OR, DEMOD (-) ____ dB

XMIT GAIN

4A) BULK GAIN AMP ____ dB (25+dBG)
OR
4) MOD SOURCE LEVEL ____ dB (Represents as Gain in dB Greater than minimum desired output - 10dBmV signal at Antenna "Z") ie: if +10dBmV, gain there is 20 dBG
FINAL RCV SYSTEM
5) OFF-AIR ANTENNA ____ dB (10+)
6) LN PRE-AMP ____ (20 TYP. < 1dB NF)

TOTAL GAIN (MUST BE X OR >)

Signal Master List

1) Free Stuff & Long Term use of Products For Test, Test Bullcow Development (09) 270-0179

A) $LM — Sadelco

B) 3 UHF Fringe Areas

C) Selection of 75/300 Ω Matching Transformer

2) → ~~B~~) Offer to Test & Write Specs on Consumer units

3) Mailing List — Will not stock or Mis-use — Will Send out Questionnaire For Another Magazine — Will not Mention Signal Master

4) TBs

A) Will Mention Copyrights — (RBC)

B) Will Agree not to allow any other Suppliers to use our Products any For other N3 (Aussie est. Xceivers) Dist or OEM.

C) SM Will Distribute To Stockists

1) Suggest distribute list — Two at 30/60 day intervals, off letter For Responses Questionnaire RBC will Create

2) Price at $10 ea to give Value

D) RBC will offer Separately direct To Consumer For fee — Promoted Thru N3 & Receiver Handbook.

Comments Needed —

Dennis at — SM

McDermit / Link Antennas / C'Chirchill —

Castle Bay Block

Ch. 8 – Vision 203.25

10 MW + 3

Ch. 6 – .

1 MW + 7.5

MW Sign Ch. 9

Auckland Maps

✓ O03 ✓ ✓ ✓ ✓ ✓ ✓

1 – N03, N04, N05, O04, P04, O05

P05, [redacted], P08, Q08, P06, Q06, [redacted],

2 – P07, [redacted], O06,

R08, Q09, R09, Q10, R10, R11

Will Outline: Co-Interests in

1) All my Assets, Accounts Receivable, Liabilities to my wife Gay Ann Smith Cooper —

With Exceptions of:

A) To my son Robert Britt Cooper III.

All of the memorabilia which I have inherited from my Father Robert B. Cooper (Sr.) Plus all Cooper Family Photos as Chosen & Released by my wife.

B) To my son Kevin Paul Cooper - all videotapes, ~~[redacted]~~ Books as determined by my wife

A Selection of the Magazines and Books I have Authored, or Published.

c) To my daughter Stephanie ½ of my Sub Interest in Land Plus Go —, Pharmaceuticals —

D) To my daughter Tabitha ↑ — Same —

In the Event my wife Gay Suzanne dies in Death, or dies at Approximately the Same time,

A) Of All of my Assets, Accounts Receivable, Liabilities, Shared with my wife - Gay —

The Estate to Pay the Cost of Cremation for myself & Gay,

The Executor to be Marion Strong,

30/70

TO Jeannine & Danielle

15% of my assets in our combined assets

TO Jeannine & Danielle

TO RBC III, TO Karen Paul, TO Dr. Katherine Meighan &

Partners - 15% with TO

Questions — Colin / Ross

IF CLS 27 TO 34, 43 TO 62 HAVE BEEN SOLD OFF (2YR MANAGEMENT RIGHTS)

& 35 TO 38 used FOR RADIO

& 39 IS FOR AM TV & AM N.B. Plans

& 40 (41) 42 ARE FOR COW POWER TRANSM —

WHAT IS → — — — ?

WHAT ARE QUALIFICATIONS? i.e. WHO MAY APPLY? WHAT PLAN LEVEL, WHAT COVERAGE?

IF THERE IS AN ESTABLISHED PROCEDURE, PLEASE SUPPLY DETAILS.

IF THERE IS NONE & YOU ARE UNABLE TO SUPPLY PLEASE CONTACT THE APPROPRIATE PERSON IN WELLINGTON -

69-438-8663

Grant / Dennis / Kevin /

Audio Arts – 40%

DI – Cables, Amps, accessories as wholesale dist –

Sub Dist / 40 to 50 — Wholesalers —

UHF – 50 R Co Schoeps – Attenders –

→ $/or Rental —

30% on Cost – 5%
30% on Trade Price

No ants at SM / —

GM is now Hotels Industries / SM is exclusive dist for Hotels
For New Plymouth — Nurses

SM Acoustics / 60% of Bass from Leads /
TAB – 150 Cans – 5K per year –

Tom Parkinson – Isaacs Prod Comm.

Means $70/$80 per Ch /

$/Box — Masons +

TAB + SKM + Regional /

Fax: Re Broadcast —

7½%

Duty on
Ants — 19½%
Coax Cable – 7½%

Andrew Hall – Warkworth –
09 – 423-8967
Hall's Home Team –
Wellsford – Juniors Size –

~~+ =+~~

Warkworth – To Middle –
Skid down it /
Main Inlet – To Right – Down –
Follow Down /
High Intermediate – 3 Roads –
2nd –
Building Built – Down – Left Hand
Side – opposite Pub – Kapanui ST –
Car Park – Middle High Playground – Front –

Warkworth Street Map
A) Show Games of TV Room – 1 to 6 – / Best /
B)

BACK

1) Kevin

A) TELL ME MORE ABOUT WELLINGTON ANTI TANK

1) ARE THEY AWARE OF YOUR INTEREST

2) WILL THEY AGREE TO PRIVATE LABEL

3) WILL THEY REALIZE REMARKS

4) DO THEY HAVE A PORT design engineer

5) CAN SM PARTICIPATE IN design PHASE

6) CAN I GET SAMPLES FOR YOUR EVALUATION OF PRESENT ANTS?

A) LIST OF WHAT THEY NOW SELL - MAKE

7) DO THEY NOW SELL IN NORTH?

B) RE HOW FAR.

2) IS CM PRIVATE LABEL A DIRECT TRADE TO US CM?

1) HOW DO THEIR designs evolve?

A) SEEMS LIKE I MET A SALES REP OF HOUSE WHO TOLD ME THEY HAVE NO design TEAM [BASIC MUX]

C) REASON WHY THE KINGTONG ANTS GIVEN TO ME ARE OLD STOCK - THERE ARE WORSE!

1) WERE YOU OVERLOADED WITH THEIR STOCK WHEN YOU BOUGHT FROM?

D) ORDER 2 PT NOW - RE UHF BULLETIN

E) ORDER ROX AMPS " - " " " & ½ BALUNS - W/OUR P/S -

F) LETTER TO FRINGE ELECTRONICS RE P/S ACCEPTANCE - COPY OF APPLICABLE N3 CODES - ANSOF RULES -

G) READ over 9301, 9302 - GIVE COMMENTS, SUGGESTIONS - DRAW - DRAW?

Will Your Cuts Fringe?

Hall's Comment about Kingsley

Copy of Field Management award

CA #s for Auctions w/ AF

Sec Master Acct — Stenmon Distri -

Back To:

Modulators - ~~VHF~~ UHF 0 - 13 + MTR Band
~~+60dBW~~
~~Freq Agile~~
~~Vestigial SB Filters~~

Mixed outputs

1) UHF TDB 9302
2) Gotham Photos
3) Dept. of Comm Procedure Guide

~~Home~~

1) ~~Clean Rod Filters~~
2) ~~Change DTS heads~~
3) ~~Move New Town~~
4) Assemble UHF Ants
5) ~~Hook up UHF XMIT Ant~~ - A) Put up Top 8' Tow. #1 - Side Mount Tower #1 -
6) ~~Run to Aerial~~
7) ~~Run to Klein (2)~~
8) ~~Run to Hills~~
9) Loss to Fringe Refs
10) Letter to RIX Re +60dBW outputs - 30dBG - BB or Shows off Air - Low Powered 1 ERP
11) ~~Write Dept Comm Conf Application~~
12) ~~Run Lines to Dept of Comm~~
13) Ch 9 Array 2.1 m Mast
14) ~~Move Ch 6-8 Array~~
15) ~~Plant New Town~~
16) ~~Hook to Ch 9~~
17) ~~Letter to Dept Comm~~
18) Drive on DTS - Azimuth

SMD

1) Contract to buy wholesale SKY for Resale to Home SM Master Installer Installers — in Non-SKY Svc Areas —

A) SM Service Approx 550 Stockists/ Agents throughout N. Ireland —

2) SM Installing dealers with ~~Wire-Cable~~ Complete Developments/ Buildings — Having identified Terrain Shadow Areas / Housing Areas ~~in~~ outside of GOM Coverage including Areas outside Normal Coverage Pattern where Reception is Sub-Standard —

A) With Gilly under Contract all units/Homes in ~~Effected~~ developments / Region and offer Complete Auctions / est. Svc ie. TV1, 2, 3 + SKY x 3, DAB.

3) SMD with Private ~~Designing~~ Engineering / Route / oversee Installation / Private Audit Verification for SKY Customers & be responsible for Gross Payment to SKY for all Systems Distributing SKY —

4) For Rights to SMD —

SKY with Advantage By:

1) No Marketing Costs
2) No Installation Costs
3) No Maintenance Costs
4) 3 Receive descramblers with Sense Multiple Customers
5) Single Bill for Both Subscriptions to / Source from Computer Cost Monthly of Each SKY # of Subscribers at Site

SMD WTM:

1) Be Responsible For all Collection, all Cable System Security —

A) While Plan is For all Cable Sys Subs To Take Full 7 Cable Package, In event Customer do not With Sky, SMD WTM be Responsible For Tracking out The Sky 3x Cts at Respective Cust. TV/ outlet

---

FEB 22

1) Hot Beds — From Kevin

50 miles – US$ 7,000 per mile –

1 Km = 4340 USD = $8680 + $2,000 Contingency =

10,680 KSh per Km

80 Km = $854,400 KSh

HE = 5K per V Cat – 3 = 15,000
7K per U Cat – 4 = 28,000
Building = 7,000
LO = 10,000
60,000

$914,400

YR1 – 25% at $40 p/m = ~~500 x $40 x 12 = 20,000 x 12 =~~ 19,000
$45 · 22,500 270,000
$240,000 ÷ 2 = $120,000

YR2 30% 640 = $25,600 = $307,200
$45 · 28,800 345,600 — 192,000
15,200 182,400 + 14,000

YR3 38% 760 = $30,400 = $364,800
$45 34,200 410,400 — 228,000
17,600 211,200 + 12,000

YR4 44% 880 = $35,200 = $422,400
$45 39,600 475,200 264,000
20,000 $244,000 + 12,000

YR5 50% 1000 = 40,000 = $480,000
$45 45,000 540,000 300,000 + 12,000

OP. P/M
Elect – 1200
Pile Rent – 500
Tech – 2500
Office Rent – 1200
Billing 900
Vehicle 1100
Test Equip 250
Replacement 500
Tech – 250
$8480

18.620.42 N3 $

9836.61 US $

Ryan Hanley

604-382-9546

.5275

1.89+

UHF - THE NEW FRONTIER

IN 1955 - NOBODY THOUGHT UHF

1) WHAT IS UHF?

2) HOW DOES IT DIFFER FROM VHF? — SIGNAL LAYERING, PUCKERS

3) WHAT CAN YOU DO AT UHF YOU CANNOT DO AT VHF?

4) VICE VERSA

5) PHYSICAL SPACE VS WAVELENGTHS - TO 3.0 λ

V, U, SHF — MICROWAVE — SAT TV DISHES

5A) GAIN OF A 10' DISH AT — 50, 2W, 6W, 4 GHz, 10 GHz

6) HOW SMALL A DISH FOR WORTHWHILE GAIN

5B) DISH VS YAGIS —

7) WHAT IS WRONG W/ SOME DISH DESIGN?

8) CAN YOU CORRECT FOR DESIGN?

A) REFLECTOR ACCURACY

B) " SURFACE VS WAVELENGTH

C) FEED DESIGN

9) WHY PATT. SPACE IS SO IMPORTANT FOR PEOPLE WHERE SIGNALS ARE NOT PLENTY & LOUD —

~~10~~ 9A) PAGE 9 CHART — SPACE VS GAIN

10) HEIGHT VS GAIN SEE PAGE 10

11) ✓ ARH FOR MESH SIZE - VS. PG 14

10.7 M WIRES -

SLIT - TRENCH IN 4 TO 6" - AT 15°
SPACINGS

5.3M WIRES AT 25° SPACINGS

NTRC 14-03-53

1) Wire - 100M —

2) Wtbo to Torch w/ TP Power = Accessories —

3) DSL Conect —

Bryan - 14-03-53

1) Addresses

C-Span

World Net

RFD

Republican Club Flavour

TASK LIST (08/03/93)

1) Complete Cat. 9 10 x 2
   A) Mount & 4-Way Gimbore
2) Repair Rotor
3) Locate Mast - T#1
4) ~~Grinders/Buffers~~
5) Replace Cyl
   ~~DTS Center Bottom IUM~~
6) Drop Lower IUM
   A) Grind on bottom T#6
   B) drop TUP IUM
   C) Pull off TUP Screw
   D) Burrs to Jo'
   E) Guy
7) Test at Dons - Cat 9
8) ~~Replace Switches~~
9) ~~Calculate Seal - SM DTSH~~
   ~~A) Design Mount~~
10) ~~Rebuild~~ Pal Cyl -
   A) Test at Johns
11) ~~Test - Bypass DTSH Line Amp~~
12) 2 Plant Boxes
13) ~~Buffers Robots~~

A) Test Light New Crew
B) ~~Stars Women Veggies~~
   1) ~~Celery to Gorman~~
C) ~~Clean Pal Fitter~~
D) ~~More upholstered~~

1) ~~Nick - OSL Cards~~ 09 401-9042
2) Dr. Sumsarlon
3) 5303 ✓
4) ~~Sun Burns~~

~~Tex - SN3 Re AC Pts~~

Neil - Cutting, Harrow Sac
406-1005

Peter Middlemiss - Top Power
09-401-0325

Lines out
Dept Comm

5) AJ Brown

35 TO 38 MAORI

39 TO 42 NON Commercial

OFFSET RUN 9V? + Power

25M + T#1 TO T#6

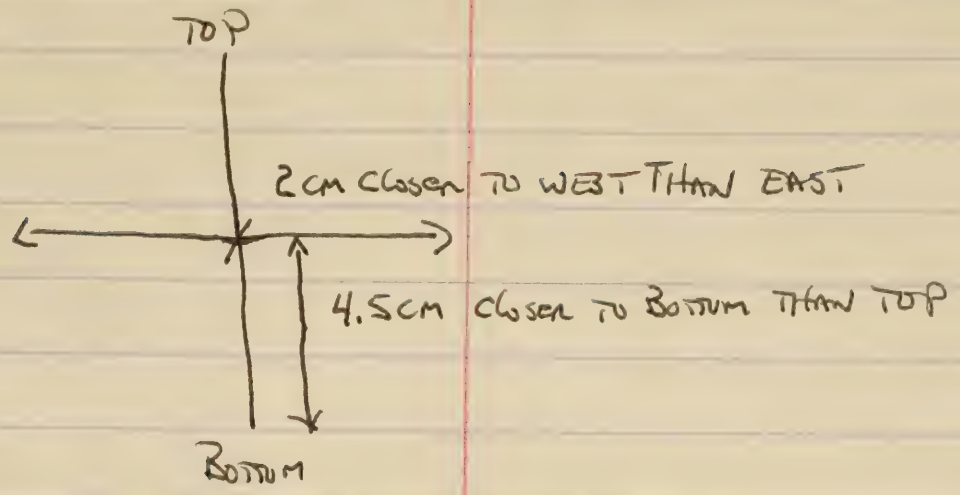
Degrees - Gts 7, 9 Para Run - (7 - TV1
9 - TV2)

IR power, Pattern, OFFSET.

+ Coordinates

8A	1508	31W
7A	"	32W
6A	1503	4,500
5A	1508	
4A	1507	16.3

Feed CK — 10/03/93 (5M DISH)



DISTANCES — OUTER EDGE DISH LIP TO OUTER EDGE FEED HORN:

BOTTOM —	2573
TOP —	-2618
EAST —	2574
WEST —	2580

AVG OF ALL 4 IS 2588.75

TB Topics

1) overall Fringe
2) Co-channel
3) UHF
4) Interference
5) Cable
   A) Legal
   B) Technical
   C) Financial
6) Using UHF for Relay
7) Ants for MW Recptn
   A) L Wires
   B) S Wires
   C) Loops
8)

Fringe Electronics - Initial order Thoughts

A) $2 - 2.500 Pounds — Roughly $7500 KIWI

B) Perhaps could be $1.000 — or $3,000 KiWi

C)

Product	Price	Qty	Total	Desc.
VHF 1220-1	6.31/1215			40-75 MHz - 20dB/1.8
VHF 1220-FM	6.31/1215			88-108
VHF 1220-3	6.31/1215			175-230
VHF 1220 WB	6.31/1215			40-230
(UHF) WB1214	5.12/1215			St. CH 21-68 — 13dBs/2.5
(UHF) WB1222	6.68/1215			SM " " — 22dBs/2.8
(UHF) WB1225	8.55/1290			SMPR " " — 25dB/1.9
UV1228	8.25/1290			40-230/470-860 — 19/28/15dB
WB221V	7.46/1215			2 FER inputs - 1 output
				V passive/UHF + 22dB - V+U same input/2.9dB NF
P1215	5.88			
P1290	7.42			
1215/2	6.46			w/ 2 outputs Splitter
1290/2	7.83			" " "
Cascade	8.47 P1290 ~~7.42~~			470-860 WB - up to 3 can be used.
2 Set	6.91			2 UHF - 1 Aerial — 6dBs/4dB NF
Super Set 2 out	10.35			40-860/19dBs, 5dB NF
Super 2 Set "	10.66	5		" 15dBs, "
FM Rejector "	9.54	3		88-108/20dBs/1.9dB
3 Set 2 out	10.43	3		40-860 8dBs/5dB
Mini 4 Set	15.36	3		40-860 6dBs/5dB
2 Way 809-960	23.46	3		~~40-860~~
8 Way 109-09	24.08	3		40-230 V input/470-860 U + use UHF Masthead - 1 - 15dBs, 6 at 5.5dB
Single output	15.72	5		40-230, 470-860 6.5dBs — 5.5dB NF + UHF Masthead
5 out Single	16.05	5		— 28dBs - 5.5dB NF - Masthead Powering
				- 24dB - Splitter + Masthead Powering

Inductive Combiner/Splitter	$3.19	40-860MHz, 1 Leg Port
Joint Buy	$2.64	0-860MHz
6/12/18/24 dB. Atten	2.64	BY ATTEN ASST
Reject Filters -	4.71	Rejects 12W TO 240 —
27MHz CB Filters	4.71	—30dB 27

$1380.64 = X3 = $4141.92

+ Distr of ____% = $____

____

P7 Amps — $95 us TV CAL

distr of ___% = $____ each.

____

Inventory:

Import Fringe Electronics Amplifiers, P/S, accessories —

" P7 Antennacraft Amps (10 + supplies + shelves 1900.16

" RDX Baluns, GaAsFet Amps — (3 = 240 x 3 = 720 x 1.9 = 1368

7768

7250 Kiwi + duty

Fringe — 11,250 - 250 2n

Antennac — 5760 - 2n 40

RDX — 2823

Fringe — 19,833

Twice Sunshine + 1270 = 4.16 = $48K —

distribute at: x 2 — $96.

x 2.5 — $120.

x 3 — $144

Twice Average of 2.5 = 4500 x 2.5 = 11,250

P-7 = 150 cost = 1.92 = 288 x 2.5 = $720. / 2.4 / 576

RDX = 280 cost = 1.92 = 537.60 = $344. / 1.20 / 641

Avg 8432 KR Cost — Full Set Out = 19,832 Gross = 222%

units

Fringe Amps — 100

1) Imperial - 61

2) Tram - 39

P-7 — 10

RDX — 3

60 day Supply —

1) Turnover = $118,948 per year

A) Inv. cost p/y = 53,598

2) Gross Profit per Month = $5450.

A) Per year $65,400

3) Op. Costs

A) Telephone

B) Shipping Supplies

C) Tech Bulletins — 500 x 1.80 x 4 = 3600 ($900 per issue)

Glasshouse Sealing 16-03-93

30mic thick — 7.930
16.050
7.200
2.200
33.380

34m x ___ mm wide x 30mm thick —

1982

24-03 2050 KGFV - 2302
2242 XC2HWB - 2302

25-03 - 0100 V73AT
0120 JABS → 0445

1425 PJ25IX
1447 FOSDR 2147
215 - ZL2CD TO PY
ZL2LT TO KP4
2128 - NGAMG+
2354 V73AT - 0347
JA2IGY
KGFV
W0TZ

26-03 0017 JA7G
2026 WA6BYA
KGFV - 0029
2358 C21BR

27-03 0006 V73AT
JA, T30,
2205 N6XQ
2- W5TE
2342 V73AT

28-03 2032 PJ9JT
2105 ZL2LT TO XQ6STX
2127 - 2144 KGFV

29-03 2001 - W5ECL+
2045 - W4EDH

30-03 1337 2000 +YV4, FO5, PJ9, KP4
2033 - FO5 TO PY
2339 - YV4

31-03 2000 ZB2BL
18 CN8BS
35 - PJ2,9

1992

(MARCH 15 - 0622 256 /10M)

17-03 0116 JI7S -
V73A5

18-03 2346 V73A5

19-03 0240 " (0915-0930 NIGETU DL)

21-03 0305 "
(1149 - GI9 FIL - IB71) 10M .457

22-03 2039 - P4 2W TFM 1500
2117 - YV4AM3
48.249.3

23-03 0229 - V73A5
0731 - IKH6, JA7, 8
0804 - 48.236.8
1955 - PJ2SIX
2005 - PJ9G6
2100 HI8VHF
2220 - HH7PV
25 - KG6MV
2344 ↓ WG7

24-03 0012 VK6BVF
↓ FOS

1ST YV4 1992 — 2117 ON 22-03 — See Feb 5

1ST VK6 " — 0012 ON 24-03 —

1ST FO5 " — 1947 ON 25-03 — See Feb 21 ←

1ST 2B2 " — 2000 ON 31-03

Regency DB213 – PR GJ6 – 73 or 300 Ω # 1761 – > McGee PS 91 12/49
(one of few tuners) (1 per Band)
Anchor ARC-101-50 # 2205 ← is ARC 101-50

Radio Merchandise Sales Co (RMS) SP-4 – PS 118 Re 1150

Electro Engineering & Mfg Co. Detroit
PS 118 Re 1150
— TVD-8 uses 8-GJ6 tubes, No gain, TV set isolation

JFD TV10 Video Beam – LB, HB, / Fine Tuning / PS 76 Re 2150

Radio Dealers Supply Co. (RDS) 4 x GAK5 – operated
110 vac or DC – # 16.95 – (NY, NY) PS 96 – Re 3150

Super Sonic IT4 – See also IT5 – PS 60 Re 12/50
Reception IT3 6AK5

Astatic AT-1, AT-2 / Single 6AK5 / BT-1 Metal Case BT-2 Styrene Plastic (+ AT1 & AT1B)
PS 75 – 1157 Re

Tel-a-Ray (Henderson, KY) Ant. Mounted pre-Amp – PS 15 – 12/50 Re

Alliance – 12 position – Single GJ6 – PS. 61 Re 12/50 (+ earlier)
Re PS 57 1151

(David) Bogen (Co) NY, NY – 2 Booster models

DeciMeter (Inc.) Denver, Co. – 2 models – Balanced Ckt Preamps

Jerrold Electronic Television – Clifton, NJ. UV Tuners (Brown Boro)

Mabel Simpson Co. Long Island City, NY – All Channel

Standard Coil Products, Chicago – Booster

Jeco Master Products, NY – TV Booster Kit – #11.95 Re PS 141, 1151 Reduce Noise 3 to 5 dB

Television Equip. Co, NY – Untuned Booster, HB

The Turner Co, Cedar Rapids, Ia. – TV Booster

Blonder Tongue HA-1 (1950)

Winegard Powertron (GDJ8) W1 PLS (1961)

BT AB-3 2 piece Remote

TV Boosters

Jan 1949
PS 13.8 / RTVN – Jerrold TV-FM (Booster) ($37.50) Phila. Pa.

Feb 1949
PS ?? / Telekit Booster ($19.95) – Philadelphia, Pa (Baltimore MD)

PS. 138 – Wholesale Radio Parts

RMS SP-2 $20.75
Vision TVA ~~$18.00~~ $17.25
MASCO MTB-13X – $18.00
Jerrold TV-FM – ~~$25~~ $22.50?
Vision TV2 – $32.70

PS 110 June '49 – 6AK5 + 1
ANCHOR ARC 101-50 $22.50
VISION TVX – $22.50
~~PS. 91 DEC 1949~~ PS. 157 2/50
~~Rego~~ STANDARD – $17.95?
RMS SP-4 – $22.50

PS 144 – FEB 1949 RTVN – MASCO MTB-13X – $30.00

PS 156 – Federated Purchaser – Transvision Ficlo
Sparkright Mfgr FSM-1 $9.95. Feb 1949
– see also PS 31 Mar 1949 / Patch $29.50 PS 12 7/49 RTVN/

PS 31 – March 1949 – Transvision New Rochelle, NY Model
– BT-1 – $44.95

PS 122/March 1949 – Jerrold TV-Tenna – Rabbit ears +
Booster – $42.50

RCA Antenaplex Pre-Amps & Strip Amps Fun.
(early) Main Systems – Pages 30-34 RTVN April 1949

PS 84 – April 1949 – Technical Radio Parts Co – Brooklyn NY
Booster – $24.95

National Radio Co. Television Booster – (Sep. Ch. Switch + Fine Tuning) $39.95/May 1949 RTVN – Sep VB, HB 6AK5s – 300 or 75Ω input
All Channel

Transvision RJ1 – $32.50 – all ch / Cont. Tune PS 84 10/49 RTVN
(Channel Chief) per Dumont 4-6AK5s
Astatic AT-1 – 2 Strip + 2 Tuning Controls / $49.50 / RTVN 10/49
– 6AK5 / only w/ gain control RTVN
Telekit Booster – $12.95 || PS 104 11/49
PS. 161
4 Tubes –
PS. 128 3/50 RTVN
$29.10
Sonic Industries – Continuous – 72 or 300Ω / BW 4 Tube 3/
Model IT3 – $39.50 45T – PS 148, 11/49 RTVN

Standard (Coil Products) / Cont. Tune / 2 Knobs – "The Standard Booster" – $17.97
B-50 PS. 06 / RTVN 2/50 – Printed Circuit
[Continuous Tuning] PS 85 Re 4/50

FM Booster - Build: RTVN pg 40 May 1949 - 6 AMCS x2

TV Signal Level Indicator - pg. 68-69 RTVN - May 1949

Match Pads - TV. Bal - UHF - 75/150/300 Ω - RTVN pg 71 - May '49

Coaxial Fed TV Ants - (Desc.) - "F" Connectors - pg 36 - RTVN - June 49

About TV Boosters - MACS Radio Svc Shop - pg 60 RTVN - June 49

75 or 300 ohm TV Dipoles - pg 103 - RTVN - June 49

Television's Impact - pg 30 | 7/49 RTVN |

Evolution of TV Ant. pg 56 | 7/49 RTVN |

DX TV Possibilities | pg 8 8/49 RTVN |

High Gain (4 Ag.) Construction - pg 28 8/49 RTVN |

TV Rcving Ants + Prop. Basics | 63 8/49 RTVN | Esc. on Gibbsting Parts # 67 - 9/49 |

12 Position Ant. Switch | Remote | 42 9/49 RTVN |

CBTV operates Rec. Booth TV - 3 Minutes - Nitrec

Snap-Lock Antennas - pg 128 | 9/49 RTVN | pg 123 | 9/49 RTVN

Image Area TV Reception | pg. 44 RTVN 10/49 (Esc)

Rhombic Aerial For TV - pg 61 | 10/49 | Good on Shadow & Hilly Locations

WGVSV-TV | pg 102 - 10/49 | RTVN

300 Ω RG59/U #39.85 - pg 87 | 10/49 RTVN - 300 Ω - 1000' $11.95

Workshop Goes TV Region - Mileage in Ads - pg 136 11/49 RTVN |
Telrex Quotes 2W - 300 Miles. pg. 143 - 11/49 RTVN

Philco - TV ants. inside cabinets - pg 162 11/49 RTVN

Alliance - Uses TV Stations to Adv. Rotors - List of Stations pg. 185 11/49 RTVN

Color Television? Feature pg 35 | 12/49 RTVN

RCA 15" x 2" Color Projection System - pg 102 (Huge!) 12/49 RTVN

First (2 pg) Channel Master Ad pg 26-27 1/50 RTVN |

Stratovision - Feature - pg 364 1/50 RTVN |

Curing TV Set Interference to BC Reds - pg 52 | 1/50 RTVN |

pg 110 1/50 - First Hotel to Install Free TV Sets

Go to Later Page

Rotors

Alliance Model ATR – RSVP 136 / TCS 1949 – $39.95

" " DIR w/ Compass Indicator dial – $49.95 NEW 9/49 PS 150-3 Re 10/50

Crown (Dial Indicator) Antenna Rotator – AD-1 Rotor RC-1 Indicator Control

2/50 PS 157 // PS 158 – Crown AD $39.66 PS 150 Re 10/50

Gerald DuBiger C-D Sky Hawk TR-1 Rotor w/ Control Box $39.95

Finn Page AD 3/50 PS 17 / Tele-Rotor Control TR-2 Compass Control "Perfect Pattern"

The Radiant Corp. TR-1-4W $39.95 / $44.95 Same as CD(R) cabinet $44.95

TR-2-8W Cleveland, Ohio – PS 91 – 3/50

Nicholas Equipment Co., Bellevue, Ohio / Model VMO $49.50 w/ Direction Indicator (Boss. New Model – old Model No Indicator)

PS. 153 | 3/50 | RSVP

Koenig Tele-Beamer Rotator / KC, MO / Lighted Position Indicator 1 Motor c/w 1 – CCW 2 Motors – 2" Mast PS. 123 6/50 RSVP

$16.45 Rotor PS. 108 6/50

Tele-Turner – Joseph Shaw Co, Toledo, Ohio Manual (!) Rotor RSVP

2 models – 1 w/ Indicator – 501 – End Light 502 – Bonus Indicator Re PS 54 8/50

U.S. Devices Corp / South Plainfield, NJ / PS 120 / 6/50 RSVP

Alliance HiR – Set & Forget (Fully Automatic) Announced 9/50 PS. 21 Light RSVP Flashes position of Ant. while Rotating

Crown Controls Corp / New Bremen, Ohio –

Ants

Craftsmen 5404C Rule Ant – (Folded dipole – CH #5 Markers on Metal –) PS. 94, Apr 1949 – $9.95 Radio Craftsmen, Chicago

Sky Tuner / $24.95 / Richford Television Sales Co, Newark, NJ.

Amphenol "Auto-Dial" Rotator – 6° steps 22 Seconds – PS 26 11/50 RSVP | PS 68 Re 11/50

Howell Brothers – Plainfield, NJ – Light at end of Rotation

Walco Products; E. Orange, NJ – 2 Motors / 2 Speed

Radiart – Cleveland – Model CDR Tele Rotor Cub – 502A (SW) $44.95 – Mounting Ins. shown Re 11/51 PS 95 501A (SW) $34.95 End Rotation

Misc

The Workshop Associates (Newton Highlands, Ma) R-4A "F" 4 posi. Coax Switch – PS 125 – RSVP 6/49 – 1 input / 8 outputs

Electro Engineering & Mfg / Detroit / 8-6J6 Tube TV Dist Amp – McGee Radio PS. 97

Approved Electronics Model A-460 (TVFSM) $79.50 / 10/49 RSVP

Vee-D-X 3 Way Ant Switch – (300 ohm?) $4.95 / C3 Re 5/50

FM TUNER - HEATHKIT - SLIDE RULE DIAL - 110 VAC P/S
PS. 75 RCVR MAY 1949 - $6.75 + $3.25 XFMR
MASSACHUSETTS CORRESPONDENCE (CA49.50)

GE XFM-1 FM TRANSLATOR (TUNER) 1949 / HARVEY RADIO 126 - MAY 1949 RCVR

GE J.F.M.-40 PRE WAR

MEISSNER 8C FM RECEIVER - PS. 144 - RCVR
MAY 1949 - (AUDIO OUT) RE PS36 9/50 + MS1 MOBILE VERSION

POLICE ALARM MODEL PR-30 FM RCVR 30-44 MC - PR3 9/50
ALSO PR-7 FOR 152-162

MEISSNER 9A (FM, AM) - 4 WATTS OUT PS 137 6/50 RCVR

EDWARDS FM FIDELITUNER - AUDIO OUT / LATER MODEL PS 75 / 2/48 RE

NATIONAL NC-108 FM RCVR / PS62 RE 4/48

BROWNING LABS INC. RV-10
RE PS 68 - 12/48

GE 10 TUBE BUS FM RCVR - XTAL CONTROLLED - DRAWER & SPEAKER - PS 74 - RE 12/48

RADIO CRAFTSMEN FM-AM RC-8 W/ AUTO-LOK

PUBLICATIONS:

EDITORS & ENGINEERS 6/50 - RCVR PS 28

BETTER TV RECEPTION - $2.50 - BY W. W. SMITH & R. L. DAWLEY
BY MAURICE GORHAM (CBC)

TELEVISION - MEDIUM OF THE FUTURE / DIST. BY THE MACMILLAN CO, NY. - LIC PUBLICATION
142 pages - $2.50 - PS 94
8/50 RCVR

TELEVISION ENGINEERING MAG - MONTHLY - BRYAN DAVIS PUB. CO.

RCA REVIEW - VOL 3 (1938-1941) VOL 4 (1942-1946) OR
"TELEVISION" - A COLLECTION OF PAPERS IN REVIEW 1947.

THE FUTURE OF TELEVISION - ORRIN E. DUNLAP, JR. HARPER & BROS. -

RADIO DISTRIBUTION & MAINTENANCE - FROM BOLAND & BOYCE, PUB. MONTCLAIR NJ

CATALOG (149) JERROLD ELECTRONICS MUL-TV ANT. SYSTEMS) 8 pages

THEME & VARIATIONS - 38 PGS - APPARATUS DEVELOP. CO, WORTHINGTON, CT. 1950

TV Set Shipments

1947, 1948

RTVN - Pg. 22 - May 1949 - 964.206

1 TV Set To N.D

Directory of TV Set Mfgs - May 1949 RTVN - 46

42 Year 1949 - Pg 86 - Nov '49

Other Pubs.

Popular Mechanics April 1950 - Small Town TV Casting

How To Build TV Antenna - ($2.20 per Copy 1960)

TV Guide Oct. 24-31 1960 - Pennsylvania Valley WITH

UHF Converter

AERCO Sales Co – Brooklyn, NY #495V –

AERCO UHF Converter PS 120/9/49 RSW

Blonder Tongue BTU-2S (1960)

UHF (VHF) TV Video Modulator | General Radio Co (Cambridge, Ma)
TYPE 1000-P6 Diode Modulator 0-5MHz BB, 2v p-p Video RF out

TRIO PHASITRON – 2 knobs – 2 300-ohm inputs, 1 output

JOHN W/ CONTINUED

4) DETAIL ON THOSE UNKNOWN JERSEY ACCT. deductions?

A) DATES | AMOUNTS | WHO PAID TO?

B) DID INSTRUCTIONS TO PAY THOSE COME FROM DAVID TO JOHN W?

1) IF NOT, WOULD THEY BE DIRECT TO BANK?

A) IF YES, WHO AT BANK TO TALK WITH – SAME QUESTIONS ABOUT WHO TO, dates, HOW AUTHORIZED & BY WHOM?

DAVID

1) A YEAR PLUS IN PLANNING

2) UNTIL WE HAVE POSITIVE EVIDENCE THERE IS A BRAIN TUMOR, WE ARE SAYING THERE IS A 50-50 CHANCE HE HAS NO TUMOR

A) DOES THE DOCTOR HAVE CONCLUSIVE EVIDENCE OF A TUMOR?

B) DOES THE DOCTOR OFFER ANY 'ODDS' THAT THE TUMOR IS MALIGNANT?

C) IF HE FEELS IT COULD BE MALIGNANT, WHAT IS THE PROGNOSIS FOR SUCCESSFUL TREATMENT?

3) JOHN WYMER / JERSEY II

A) HOW does SUSAN CONFIRM THE STATUS OF THE JERSEY TRUST:

1) AMOUNT NOW THERE?

2) HOW RAPIDLY all OR THE MAJORITY COULD BE MOVED ON SHORT NOTICE?

3) CAN THIS BE DONE BY WRITTEN INSTRUCTION FROM:

A) DAVID alone?

B) SUSAN ALONE?

4) CAN EITHER PARTY STOP REMOVAL OF THE FUNDS —

A) PERMANENTLY?

B) TEMPORARILY? - FOR HOW LONG?

DR SOMEAN,

FOR ARTICLE - YOU MAY BE AWARE I AM A FREELANCE WRITER FOR N3 IT - ETC -

MALE, 56, NO PAST SERIOUS MEDICAL AILMENTS HISTORY

A) FOR 2 MONTHS - COMPLAINS OF POOR EYESIGHT

B) GOES FOR EYE EXAM - OPTOMETRIST FINDS ALMOST COMPLETE LOSS OF PERIPHERAL VISION (1 OR BOTH EYES - left one.)

C) SENDS HIM DIRECTLY TO LOCAL PUBLIC HOSP. WHERE LIMITED TESTS - PERHAPS TO INCLUDE CAT-SCAN, ARE DONE. DOCTORS FORM POSSIBLE DIAGNOSIS - BRAIN TUMOR.

A) SENDS MAN TO AUCKLAND CITY WHERE ADDITIONAL TESTS ARE RUN - THEY SAY THEY WISH TO DO EXPLORATORY TO OBTAIN TUMOR SAMPLE FOR BIOPSY TESTS -

1) ~~3 days~~ SCHEDULE BIOPSY IN 5 days - KEEP IN HOSP.

2) MAN TAKES ASPIRIN ON HIS OWN - 72 HOURS BEFORE OPERATION - OPERATION PUT OFF FOR 6 more days BECAUSE OF ASPIRIN CONTRADICTION

A) IS 5 days TOO long FOR CAUTION OVER ASPIRIN EFFECTS?

B) MAN TOLD IT WOULD BE 7 TO 10 days AFTER OPERATION BEFORE RESULTS OF BIOPSY WOULD BE ~~done?~~ KNOWN - YES!

Susan:

1) Is there an opportunity for you to talk with the Nuerology Doctor <u>before</u> you go North?

A) Do you know his name?

2) This is very important - think of some way to get away from David long enough to call us - better yet - we'll come to meet you.

UNUSUAL TV SETS

National Radio TV-7M - 32MHz IFS / 2 speeds / $179.50 PS 114 6/49 RSVP
" " TV10W - $269.50 / PS. 19 - RSVP 7/49

Hallicrafters T-506 (7" - our 1st TV)

Radio Craftsmen RC10W - very HiQ design - 2/50 RSVP PS 57
1617 S. Michigan Av. Chicago 16, Ill. 10 dB Boost Switch

Heath 18 tube 7" TV Rcvr kit (3/50) $349.50 Lt/c. $69.50 complete
PS 77 / 3/50 / RSVP - See Below - 4/50 RE

National Videometer - CTV Set / AC + TV Level Fsm) $169.95
PS. 111 / 5/50 - RSVP

CoVideo Co. operated TV Set - 30 min / 254
212 Broadway, NY, NY.
- CoRadio / PS 70 2/48 RE

~~TV Mart allows TV Set~~

Hallicrafters T-54 - $169.50 - steel case
505 - $179.50 - wood
Allied Radio PS 4 8/48 RE

Pilot Candid-TV (Raytheon) model TV-37 - $99.50 - PS 35 / RE 12/48 3"

Raytheon Voyager - AC or DC Portable - 7" - PS 31 RE 10/49

Heath 7" kit - w/ tubes, cabinet (w/ Manual) $69.50 PS 17 RE 4/50

Tellers (Patents Pending) CONTROL ANT: AD PS 88/9/19 RSW

Coat Hanger TV Ant / PS 134 / 1/50 RTVN /

WOR-Ultra Modern 8 Bay TV Station / PS 36 2/50 RTVN /

RCA / Zworykin Notes / Adv. – PS 91 2/50 RTVN /

Shortage of Cubic Rooms – Owen TV Prod – PS 102 / 2/50 RTVN /

Compatible Color / Rensselaer Poly / 2/50 PS 118 – RTVN announcement

Longer Bat-Wing TV Ants / KRLD-TV / PS 121 2/50 RTVN /

CH. Mstr Wins Foldable Ant. Patent Suits / PS 130 / 2/50 RTVN

Handy Dandy (4 Colors) Given – 3/50 RTVN

CH. Mstr (First TV Pre-Assembled Antenna) AD PS 10 RTVN 3/50 – also Given Table

Bat Wing FM Rcving Ant – PS 35 / 3/50 RTVN
FM Improves TV Sync (KST) PS 44 3/50 RTVN

Rooftop TV Ant Photo (NMC?) PS 64 / 3/50 / RTVN

RCA / History of TV #2 441 vs 525 Line PS 105 / RTVN 3/50

Antenaplex – RCA Announces Production Main Topic – PS. 122 3/50 RTVN / Coax Cable

NR. Birmingham, Ala – 35 KW – World's Most Powerful TV XMTR
PS. 132 3/50 RTVN

54 Conn. W-50 – 54/4 – (1st "F"?) Workshop Assoc. PS 142 / 3/50 RTVN

Coin operated Video – 30 min / 25¢ // Coinvideo PS 147 / 3/50 RTVN

Bell Labs TV MW Links – NYC – Boston // PS. 32 4/50 RTVN /

Putting / KFMB-TV on Air PS 35 4/50 RTVN /

Multiplex Coupler / Cathode follower 12AT7 – Multiple outputs / PS 45 / 4/50 / RTVN

Poor TV Sets Quality – Never More Than 1 Channel (Letter) PS. 86 4/50 RTVN

Channel Chief Corner Reflector (Not 1st Appear) $10.95 / PS 138 4/50 RTVN

World Standards Study – Single TV Stand. – PS 157 4/50 RTVN

Yagi w/ Conical Elements – Glaser – PS. 161 / 4/50 RTVN

Status of Color – FCC Coy – OKLA. PS 18 – 5/50 RTVN

– Go on –

JERROLD ELECTRONICS - PHILA, PA - 13 CHANNEL POSITIVE SWITCH - 25 dBs - 8/48 RE PS 43
(CREW)
TRANSVISION B-1 21 KNOBS - 2-6, J-13 + TUNE # 39.95 LIST PS 62 8/48 RE

Maryland Booster Coils 1-6) PS 113/ 2/50 RTVN

Sonic IT4 - 18dB gain - $32.50 / single knob / cont. tune - PS. 127 / 3/50 RTVN
Sonic Industries, NYC

Regency DB243 - McGee Radio - 6J6 x2 - $17.61 / PS 80 / RTVN 4/50
PS. 116 4/50 RTVN

Astatic 4 tube / variable gain control (4 knobs) 6AK5 (1) PS. 116

National NB-2 w/ turret tuner (closeout item) $39.95 4/50 RTVN
PS. 85 5/50 RTVN

Antctur - ARC 101-100 2 stage (new 1950) $26.43 RTVN

TechMaster TV Booster Kit - 1 tube - 35 to 45 dB Reduction in noise -
$9.95 - PS. 176 5/50 RTVN

Olson Radio Reduces Distance Rotor prices 6/50 / PS 25: ATR $20.53
DIR $26.43

4/50 RTVN

Masco - Mark Simpson MFG Co. LI City, N4. $32.50 - Single knob PS 142

Astatic - BT-2 $32.50 - 2 knobs
BT-1 $29.95 - 2 "
AT-1 $49.50 - 4 "
> Single 6 AK5 75 ohm 300 PS 18 10/50 RTVN

Regency DB-400 - 6J6 x2 - $19.11 McGee RTVN PS 89 10/50
→ Replaces 4 + 6J6 - Electro-Voice 150-300 ohms - LO ISOLATION PS. 68 RE 4/50

Blunder Tongue (Finest - Yunkers) B-T Antensifier - Patented Wide-Band - No Tuning
4 tubes - PS. 171 RTVN 10/50

SKL 40-22 MC Amp Model 212TV - Rack Mount
20 dBs / 52/72/43 Ω - 300 Ω $200.00

Tune-O-Matic - Electro-Voice - All Channel (B-T)

Alliance Booster (new) $29.95 / PS 17 / 12/50 / RTVN - Clocks Turret - 12 position switch)

Survey of TV Ants - PS 31 12/50 RTVN

2/48 - PS 18 - RG

WEFM 45.1 MH3 a Gers Schedule - ORM TV London TV

French TV - Watched by Brass WWII - PS 38 RE 2/48

↑ Move TV General

$24.75 + $3.90 - PS. 67 / RE / 2/48

Miller R9er TV Booster / 2 to 300 Ω - Sep. Coils each Ch. Specify
Vision Research Labs / Tele-Fm Preamplifier - PS. 49 / RE 4-48

go TV opposite page ↑

General Topics - Page 3

Hum TV - Simplified - PS 35 | RTVN 5/50

Pioneer Frank A.D. Andrea - PS. 40 | 5/50 | RTVN

IN-TV-SETS Fundigale - Philco - PS. 59 - 5/50 RTVN

Development of Fun (Conical) TV Ants - Chief Engineer, Ch. MSTR - Harry Greenberg
5/50 RTVN PS. 66

3 CH TV - IND. ANTS -
DIST. AMPS TV Multiple Sets
PS. 79 / 5/50 RTVN

Philco
Antenaplex Multiple Ant. Sys.

GCSU - page 29 RE 9/50

Fieldistor 7/10th Full Size Tube - PS 110 5/50 RTVN

G-Gwe Announcement - U.S. Army Sig Corp - PS. 142 | 5/50 | RTVN

First Subscription TV Tests | Phonevision - Chicago - Zenith | 5/50 Page 151 RTVN

TV Ants | Mast allows TV Sets to Run at Lower Volume PS. 170 5/50 RTVN

RCA - Tri-Gun Color - PS 46 - 6/50 | RTVN

TV Tuner Tweaking - PS 58 | 6/50 | RTVN

1st Latin America TV - Notes - B.A, Brazil, Mex, Cuba - PS. 74 6/50 RTVN

(1st) Private Circuit TV Tuner | RCA | PS 119 | 6/50 RTVN

TV in Germany Forecast PS 150 6/50 RTVN

RCA Steeple Jacks - #6 of Series - PS 12 7/50 RTVN

Ghosts - Tuning The Feedline - PS. 40 7/50 RTVN

Bell System TV Net Routes - PS 42 - Map - 7/50 RTVN

(Announcing) Coaxial Line | Low Loss open wire 0.5dB at 2m MC PS. 84 - 7/50 RTVN

Std Lengths - GCSU w/B XMFRS TO 3 Sets
PS 3 3 Sets
4 RE 8/50

WALSCO Signal King - Conical w/ Director PS 103 7/50 RTVN

4 IF Stages | G.L. Electronics | PS 106 - 7/50 RTVN

Vidicon (3D TV) 1st Ann. | Zworykin 7/50 PS. 114 RTVN

TV Tuner Gadgets Panoram | PS 119 | 7/50 RTVN

Update TV in Mexico 7/50 PS. 132 RTVN + PS 134

- Go On -

TV/FM SET OSC RADIATION — MFG HAVE TO DO GETTER PS 8 8/50 RTVN

TAPERED LINE TV TUNER — BTR MATCH, SENSITIVITY PS. 55 8/50 RTVN
J SERIES YAGI PS. 99 - 8/50 RTVN

VEE-D-X 3,4,5 EL YAGIS / STACKS — SWING OUT ELEMENTS
PS. 133 8/50 RTVN

VING ANT // LEAD IN INTERFERENCE — SOLID RESISTOR ANTENNA —
PS. 145 / 8/50 RTVN

TRIO PHASITRON — CONTROLLED PATTERN TV ANT — "VENETIAN BLIND EFFECT"

UHF TV SETS END OF 1949 — PS 153 8/50 RTVN

MICROWAVE HORN-LENS ANTENNA — PS. 29 9/50 RTVN

BAKERSFIELD, CAL MOBILE TV TESTS — PS. 36 - 9/50 RTVN

COLOR SYSTEM - GE - FREQUENCY INTERLACE - PS. 76 9/50 RTVN

RCA #8 - MOBILE TV VAN PS. 89 9/50 RTVN

BBB MOVES TO CURB TV (RADIO) SALES COMPLAINTS RTVN 09/50 PS 102

SUMMARY OF COLOR FIASCO — PS 106 - 9/50 / RTVN
PS. 110 9/50 RTVN

COMING / DEATHS OF COAST TO COAST MW NETS - SS Relays Another TO SF -

PENN TELEVIEWERS - PERMITS MUST RESTRICT WHITE SALES - PS. 127 RTVN 9/50

KOREAN WAR & COLOR - SNYDER JOHNSON - 10/50 PS 16 RTVN

MW - Relays (Leo G. Somos / Philco) PS 35 10/50 RTVN

2 CH. (4,5) FRINGE AREAS - CEI depressed PS 54 10/50 RTVN

RHOMBIC + / 6J6 & 6J4 AMPLIFIERS - CONSISTENT FRINGE - PS 58 + 10/50 RTVN

BRACH 2 SET COUPLER - 300 OR 75 Ω - PS 109 10/50 RTVN

FIRST TV IN BRAZIL PS 167 / 10/50 RTVN (July 30 / Radio Tupi) RTVN

CURVATION TV - NOT YET - PS 177 RTVN 10/50

SYNDICATES - KOREAN WAR - TUBE SHORTAGE 11/50 PS 15 RTVN

FCC COLOR DECISION - CBS PS 16 11/50 RTVN

HALLICRAFTERS PROJECTION PRIMARY COLORS DYNAMIC TUNER PS 38 11/50 RTVN

FCC COLOR DECISION - PS 65 / 11/50 RTVN

- GO TO NEXT PAGE -

General Topics - Page 5

Telefax Patents # TN AD - No 2518297 - PS 1Ko 11/50 RTVN

Conical V-Beams - Reg. Trademark

XHTV 3 Bay Batwing Ants - PS. 1st / 11/50 RTVN

DX TV Reports - PS 184 11/50 - RTVN

AT&T Cable Review Atlanta - Sept 1950 RTVN PS 199 11/50

Why Push TV Color - PS 8 - 12/50 RTVN

Television - 1st World War - PS 17 1/48 RE - 150,000 TV Sets Start 1948 → PS 17 9/48 RE Explanation of World Television

1948 MW N4C TV Boston/Cable TV DC PS 18 1/48 RE

1st TV in Ocean Liner - 1940 - PS 18 1/48 RE

Videograph - Emerson Coin-in-the-Slot - PS 25 1/48 RE

First Radio-Vision Transmission - 6/14/23 - PS 33 RE 1/48

Televisen (Name for TV Set) PS 43 - RE 1/48

Basic RCA 630 TS - PS 48 - 1/48 RE

Vee-D-X - 1st High Gain TV Ant - PS 82 1/48 RE

TV Stations (? List) PS 50 1/48 RE ~~Color~~ St. Louis TV CA = 1)

Television Steps Out - PS 35 - 1/48 RE -

A) Page 114 - "Television is Here!"

5 IF Stages - 6J6's - PS 125 1/48 RE

TV Stations / PS 19 / 3/48 RE

TV News Reels - London TV - 2 day in Transit

CBS / 700,000 Sq Ft TV Prod. Facility PS 18 / 4/48 RE

Movie Screens on Ceilings / Guided missile from Delivery - 1975 PS 18 / 4/48/RE

FM Station List / pg 40 / 4/48 RE

Kinescope Recording - PS. 18 / 7/48 RE

Study of 216-500 MHz For TV - PS. 19 / 7/48 RE

French TV - 7", 8" - Sound on Iconoscope - PS 64 - 7/48 RE

Stats for TV Growth - 41K Sets Before War RTVN RE PS 17

Candid TV - 3" Closed Pilot PS 18 RE 8/49

- Go on -

DAVID NOTES:

1) Fax Machine on 4pm → Day of Susan's Return.
   A) Who does he expect/get Fax from?
2) Using Period from Sept Sale Close until Now
   To Create Plan to disappear with his cash —
   A) Turns to N3 or Mass —
      1) Then to Cash & David + Cash disappears —
         A) Leaving Susan with Rescue, Chalet,
            No Sign of David — Finds Convinces
            David (believes he is) Dying — Finds
            Grieving for 'Poor distraught' David —

When in Fact —
   A) This was all a Plan for Him to Slip away
      with Money —

A) Who Loses:
   A) Susan
   B) Both Boys
   C) Govt. Tax Collections

General Pg 6

UK TV #s – Power Problems – Ps 67 Re 8/48

TV TV Bands Illegal – Ps 10 12/48 Re

Railroad Television – 2 engine works series Ps 11 Re 12/48

TV Allocations Freeze Sept 1948 – 6 mos – Re 37 stations on air Ps 11 12/48

Philco Training Pgm – Ps 14 Re 12/48

Pilot 31" Review Model TV-37 Ps. 35 | Re 12/48

(New) Hallicrafters 16x20" Projection Model T-68 #695 Ps. 54 / 12/48 RG on/off | sound vol, pic bright | 3 channels

English TV Sets 1 Channel – Birmingham – Canada allocations

AC-DC TV Sets – No Transformer (Also Pilot) TV UK – Ps. 54 Re 12/48

BBB

TV Set Ads Misleading – Ps 78 12/48 – Re

FM List / FM DX Report Re 12/48 Ps 84

No TV Antennas on Roof / Courts Re 10/49 Ps. 9

Prentice-Hall Handbook | Ps 39 10/49 Re

French | UK TV Pgm exchange – Ps. 68 Re 10/49

National TV Models – Full page – Re Ps 06 11/49

Ps. 8 Re 11/49

TV Relays – Dumont | Philco | Bell Interconnect – FCC Ruling Ps 24 11/49

Stanford Univ. 3 kms developed UHV TV set Cuing Re

TV Station List – 11/49 | Re – Ps 27 (TV DX Announcement)

British Televisers – 8" preference – Ps 62 Re 11/49

Lazy H ant – Taco – 1940 Ps 72 Re 11/49

16' Parabolic – Don Lee – LA – Ps 79 Re 11/49

TV Cannot Compete w/ Radio Soaps – Lyn – Ps 92 – Re 11/49

Free TV Films – TV Recast. Problems – Re 12/49 Ps 8

Phonevision Tests – details – Chicago – Ps. 9 | Re 12/49

Dumont 45 BC Plans | Ps. 10 Re 12/49

Go TV Next Book

4) N3 Funds:

A) A complete list of all known accounts?

B) Does Susan suspect any additional accounts David has not disclosed?

1) Such as

C) Can Susan check on David's passports?

1) Any missing papers in bank lock box?

A) David's birth certificate?

B) " Records any type?

ANT MFGRS + DISTS

CHRISTCHURCH

LINCROP AERIALS LTD (MFG) 17 WASHBOURNES Rd, SOCKBURN
CH-03-348-0659

WELLINGTON

STRAIGHTLINE ANT. CORP 28 MOXHAM Rd, HATAITAI, WELLINGTON
WN-386-2728

SOUNDCRAFT PO BOX 30297 PETONE
04-568-3162

TVRO: TELESOUND MARKETING LTD, 1 RUTHERFORD ST, LOWER HUTT
(WN?) 566-6035

HAMILTON:
GIL-WOOD CO. 16 NIKAU PLACE HAMILTON 849-4864
TELEVISION APPARATUS LTD 3 JOLLY ST " 847-8179

TISCO / CNR HANOVER & LEITH ST, DUNEDIN
477-1911

POSTAGE

120MM X 235MM 45¢ UP TO 20 MM THICK
180MM X 324 MM 80¢ " " 20 MM THICK > OVER 20 MM / $2.50

POSTAGE / ENVELOPE "ALLOWANCE" - $1.00 N3